

Integrated Asset Management

NASA Recycling and Affirmative
Procurement & Pollution Prevention
Workshop

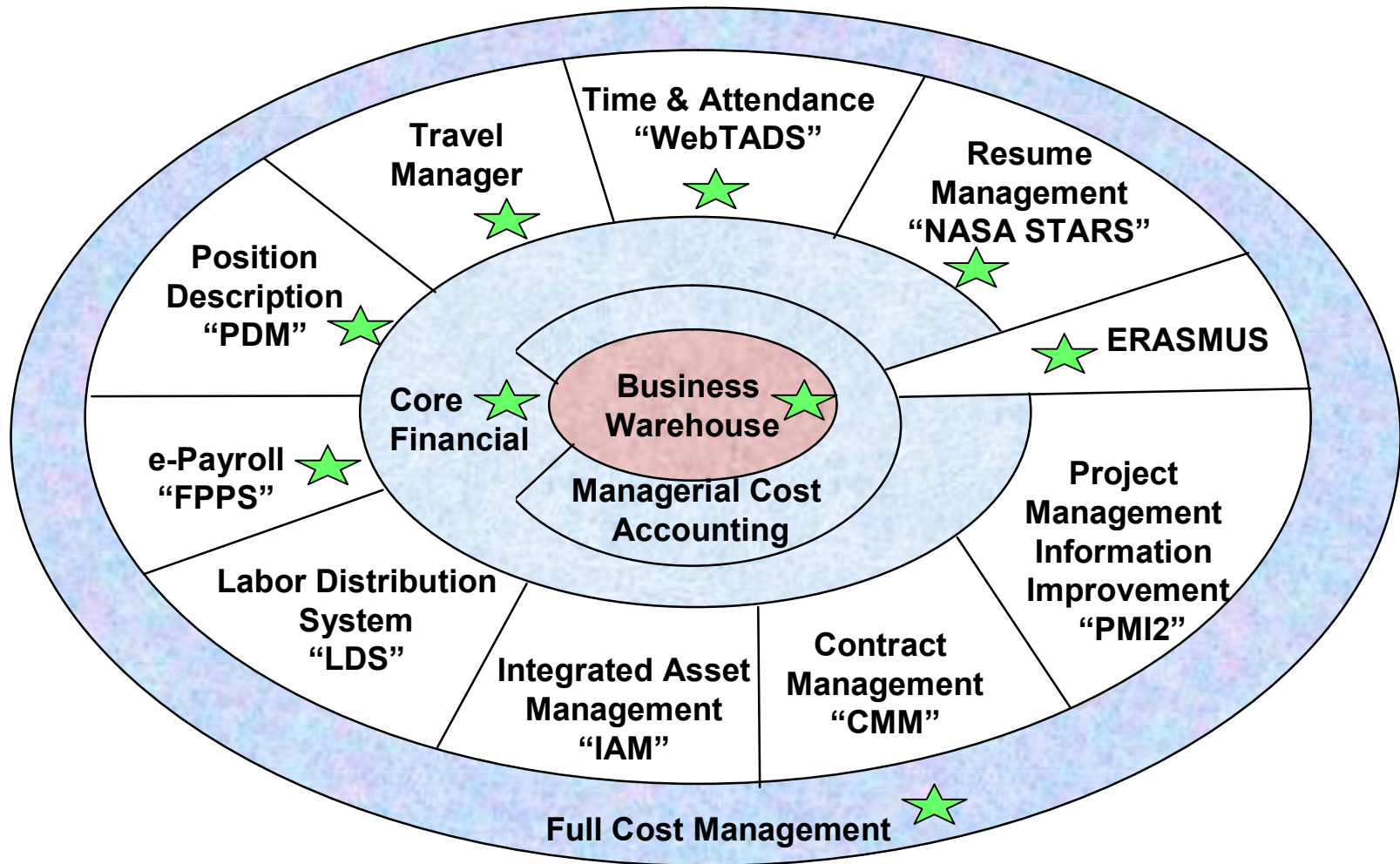
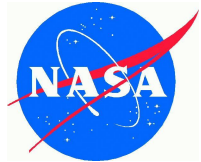
May 25, 2005

Michelle Fraser-Page
NASA Langley Research Center
Integrated Asset Management

Overview

- Integrated Asset Management (IAM)
 - What is it?
- Project Scope
- Project Schedule
- Effects on Environmental Management

Business Management Improvement Efforts



What is IAM?

- IAM is an Agency-wide initiative which seeks to incorporate the management of NASA assets at all Centers into a single integrated system utilizing SAP software.
- IAM Goal
 - To optimize workflow and improve asset utilization by taking a **life cycle business approach** to asset management.

- Safeguard assets from deterioration, theft, or loss.
- Account for acquisitions and disposals of assets.
- Ensure assets are available for use when needed.
- Prevent unnecessary storage and maintenance costs.
- Minimize purchases by utilizing assets already on hand.
- Determine the full cost of programs that use specific assets.

Why?

- NASA has failed to achieve a “green” status on the past several years’ audits
- Need to have better accountability and traceability of financial transactions and property
- Part of the President’s Management Agenda

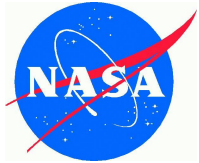
- Blueprinting Processes
 - Life Cycle Analysis
 - Plan
 - Acquire
 - Maintain
 - Dispose
- Functional Areas
 - Facilities
 - Logistics
 - Environment
 - Aircraft

- Realization Release 1
 - Material Acquisition
 - Warehouse Management
 - Inventory Management
 - Finance

- Initiate Acquisition
- Approve Purchase Requisition
- Create / Approve & Issue Purchase Order
- Track Purchase Order
- Modify / Cancel Purchase Requisition / Purchase Order



Warehouse Management



- Establish Warehouse Structures
- Receive, Accept and Issue
- Inspections
- Transfer Items
- Remediate Shipments
- Material Put-away

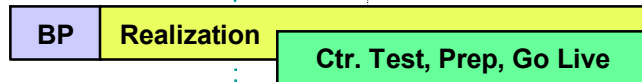
- Create Material Master
- Inventory On-hand
- MSDS
- Reorder Point
- Physical Inventory (count)
- Shelf Life Management
- Material Resource Planning (MRP)
- Kit Identification and Set Up

-
- Coordinate accounting data
 - Verify financial transactions
 - Extend current financial systems to work with IAM

Proposed Implementation Schedule

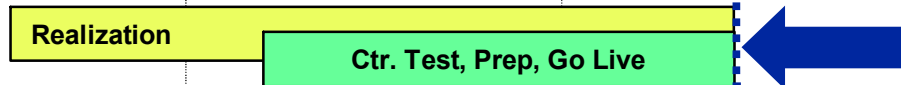
2004	2005				2006				2007				2008				2009			
	FY05				FY06				FY07				FY08				FY09			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

Release 1 – Materials Management (Inventory Mgmt., Warehousing, Acquisition)



May 05

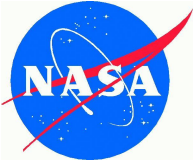
Release 2 – Asset Accounting, Facilities, Maintenance, Disposal



BP – Blueprint (Preliminary Design)
Realization – Final Design & Agency Testing / Configuration
Center Test, Training, Conversion, Go Live



Affirmative Procurement



- Approvals / waivers for virgin material purchases
- Manage acquisition to enforce affirmative procurement policy
- Track purchases of recycled materials vs virgin (quantities and dollars)
 - Reports from Business Warehouse

-
- Repository of MSDS information at the Agency level
 - Chemical information, composition entered one time, at the Competency Center
 - Available to all Centers

Reporting

- EPCRA
 - Tier I / Tier II (Hazardous material inventory)
 - TRI (Hazardous material issues)
- Waste Inventory
- Affirmative Procurement (from Business Warehouse)
- P2 / Generic Inventory Reports
- Emissions Management (future)

Bank Cards

- Bank card buys may have to change
- White paper to consider options
 - Restrict bank card uses for sensitive or hazardous materials

Questions

- IAM team
ProjectTeam.IAM@msfc.nasa.gov
- Question cards
 - Collected, submitted to IAM team
 - Adrea will publish answers

Michelle Fraser-Page
michelle.fraser-page@nasa.gov
(256) 961-4543 (MSFC)